Index of Claims

Application/Control No.

Robert P. Swiatek

10/615,577

Examiner

Applicant(s)/Patent under Reexamination

RIEMMA, VINCENT

Art Unit

3643

✓ Rejected= Allowed

(Through numeral)
Cancelled

Restricted

Non-Elected

I Interference

A Appeal
O Objected

| Cla      | aim      | Date .   |          |          |               |          |         |          |          |   | Claim Date    |          |          |          |          | ٠,;;;    | ::                                     | Cl       | aim      | Date   |           |          |          |            |  |           |          |          |               |          |                 |  |            |
|----------|----------|----------|----------|----------|---------------|----------|---------|----------|----------|---|---------------|----------|----------|----------|----------|----------|--|----------|----------|--|-----------|----------|----------|------------|--|-----------|----------|----------|---------------|----------|-----------------|--|------------|
| <u></u>  |          | П        |          | П        | Ť             | Ť        | Т       | Т        | ŤΤ       | _ |               | -        |          | $\vdash$ | Т        | $\top$   |  | Ť        |          | Т  | -         | -        |          |            | <del>                                     </del> |           |          |          | Jan<br>I      | Ť.       |                 |  | $\dashv$   |
| Final    | Original |          |          | 11/30/06 |               |          |         |          |          |   |               | Final    | Original |          |          |          |  |          |          |  |           |          | Final    | Original   |  |           |          |          |               | ,        |                 |  |            |
| 1        | 1        | $\vdash$ | $\dashv$ | =        | +             | +        | +       | +        | $\dashv$ | _ |               | $\vdash$ | 51       | H        | +        | +        | +-                                     | ╁        |          | $\dashv$   |           | $\vdash$ |          |            | _  |           |          | _        | <u> </u>      | _        | -               |  | $\dashv$   |
| <u> </u> | 2        | $\vdash$ | +        | ╗        | +             | +        | +       | ╅        | $\dashv$ | _ |               |          | 52       | $\vdash$ | $\dashv$ | ┿        | +                                      | +-       |          | $\dashv$   |           | -        |          | 101<br>102 |  | Н         | _        | -        |               | ⊢        | $\vdash$        |  | -          |
| _        | 3        | $\vdash$ | +        | $\dashv$ |               | +        | ┽       | -        | $\dashv$ | _ |               | -        | 53       | $\vdash$ |          | +        |  | $\vdash$ | $\vdash$ |  | - !!!     | -        |          |            | _  | $\vdash$  |          | H        | -             | ├        | $\vdash$        |  | $\dashv$   |
|          | 4        | H        | $\dashv$ | -        | +             | +        | +       | +        | $\dashv$ |   |               | <u> </u> | 54       | $\vdash$ | -+       | +        | +-                                     | $\vdash$ | $\vdash$ |  | -         | -        |          | 103<br>104 | $\vdash$   | Н         |          | H        | _             | H        | $\vdash$        |  | $\dashv$   |
|          | 5        |          | +        | $\dashv$ | $\dashv$      | $\dashv$ | +       | $\dashv$ | $\dashv$ | _ |               | -        | 55       | -        | $\dashv$ | +-       | +-                                     | $\vdash$ | $\vdash$ | -+   | -         | $\vdash$ |          | 105        | ⊢  | -         |          |          | -             | -        | $\dashv$        | Н  | $\dashv$   |
| _        | 6        | $\vdash$ | +        | $\dashv$ |               | +        | ╅       | +        | $\dashv$ | _ |               |          | 56       | -        | $\dashv$ | +        | +                                      | $\vdash$ | $\vdash$ | -  | -1        | $\vdash$ |          | 106        | ├  | Н         |          | $\vdash$ | ⊢             | -        | $\vdash$        | $\vdash$   | $\dashv$   |
|          | 7        | $\vdash$ | ╅        | +        | _             | +        | +       | +        | $\dashv$ | _ |               | $\vdash$ | 57       | $\vdash$ | -        | ╁        | ╁╌                                     | ┢        | $\vdash$ | $\dashv$   | -         | -        | _        | 107        | -  | $\vdash$  | _        | -        | H             | $\vdash$ | $\vdash$        | -  | $\dashv$   |
|          | 8        |          | +        | +        | -             | +        | +       | +        | $\dashv$ |   |               | $\vdash$ | 58       | $\vdash$ |          | +        | +-                                     | ├-       | $\vdash$ |  | - :::     | ┝        | -        | 108        | ├  |           |          | -        | H             | $\vdash$ | $\vdash$        | -  | $\dashv$   |
|          | 9        | -        | $\dashv$ | 1        | +             | +        | +       | +        | +        | - |               | H        | 59       | $\vdash$ | $\dashv$ | +        | +-                                     | +-       |          | $\dashv$   | - :::     | ⊩        |          | 109        | ┝  | $\vdash$  |          | $\vdash$ |               | -        | $\vdash$        | -  | $\dashv$   |
|          | 10       | $\Box$   | 7        | 7        | _             | $\top$   | $\top$  | +        | $\dashv$ | _ |               | $\vdash$ | 60       | $\vdash$ | +        | $\dashv$ | +-                                     | -        | $\vdash$ |  | -         | $\vdash$ | $\neg$   | 110        | _  | Н         | -        | _        |               | -        | $\vdash$        | -  | $\dashv$   |
|          | 11       | $\Box$   | _        | 7        | $\top$        | $\top$   | $\top$  | $\top$   | $\dashv$ |   |               |          | 61       |          | +        | $\dashv$ | +                                      | _        | -        | _  | -         | ╟        | $\neg$   | 111        | <del>                                     </del> |           |          | -        | -             | _        | Н               | -  | $\dashv$   |
|          | 12       | $\Box$   | 十        | 7        | $\top$        | $\top$   | $\top$  | $\top$   | $\dashv$ | _ |               |          | 62       | $\vdash$ | $\dashv$ | $\dashv$ | $\top$                                 | 1        | -        | +  |           | 1        |          | 112        | $\vdash$   | $\vdash$  |          | $\vdash$ | $\vdash$      | $\vdash$ | $\vdash \vdash$ | $\dashv$   | $\dashv$   |
|          | 13       | $\Box$   | $\top$   | 7        | +             | $\top$   | $\top$  | +        | $\dashv$ | T |               | Н        | 63       | $\vdash$ | 十        | $\dashv$ | +                                      | 1        | $\vdash$ | +  |           | -        | $\dashv$ | 113        | <del>                                     </del> | H         |          | $\vdash$ | $\vdash$      | $\vdash$ | $\vdash$        | -  | $\dashv$   |
|          | 14       | $\Box$   | 十        | ┪        |               | $\top$   | $\top$  | $\top$   | $\top$   |   |               |          | 64       |          | $\top$   | $\top$   | T                                      | П        | $\dashv$ | +  | 1         | -        | $\neg$   | 114        | $\vdash$   |           | _        |          |               |          | $\vdash$        | -  | $\dashv$   |
|          | 15       |          | $\neg$   | 7        | $\neg \vdash$ | $\neg$   | $\top$  | $\top$   | T        |   |               |          | 65       |          | 十        | $\top$   | $\top$                                 |          | _        | $\top$   | ١!!!      |          |          | 115        | -  |           |          | H        | $\vdash$      |          | $\vdash$        |  | $\dashv$   |
|          | 16       |          |          | 7        | $\neg$        |          |         |          | $\neg$   |   |               |          | 66       |          | _        | ┪        | $\top$                                 |          |          |  |           | 上        |          | 116        |  | H         |          |          |               |          | $\vdash$        | $\dashv$   | $\dashv$   |
|          | 17       | П        |          | ╛        |               | T        | $\neg$  |          | T        |   |               |          | 67       | $\Box$   |          | 十        | $\top$                                 |          | $\Box$   | _  | $\exists$ | $\vdash$ |          | 117        |  | 7         |          |          |               | -        | $\vdash$        | $\neg$   | ᅥ          |
|          | 18       |          |          |          |               | T        | ┪       | T        | 一        |   |               |          | 68       |          | _        | $\top$   | 1                                      |          |          |  | 7         |          |          | 118        |  | П         |          |          |               | Т        |                 | $\neg$   | $\neg$     |
|          | 19       | П        | $\neg$   | T        |               | 十        | 1       |          | 寸        |   |               |          | 69       | $\Box$   | _        | $\top$   | 1                                      |          |          | $\neg$   | ١!!!      | -        |          | 119        | $\vdash$   | $\Box$    | _        | _        |               | _        |                 | $\dashv$   | ᅥ          |
|          | 20       | П        | $\neg$   | T        |               | _        | _       | 7        | $\dashv$ |   |               |          | 70       | $\Box$   | 7        | T        | T                                      | $\vdash$ | $\neg$   | $\neg$   | ١         |          |          | 120        | $\vdash$   |           |          |          |               | -        |                 |  | $\dashv$   |
|          | 21       |          | $\neg$   | T        |               | $\top$   | $\top$  | $\top$   | $\neg$   |   |               |          | 71       |          | _        |          | †                                      |          |          | $\top$   | ١         |          |          | 121        | _  |           |          |          |               |          | -               |  | $\dashv$   |
|          | 22       | П        |          | T        | $\neg$        | $\neg$   | $\top$  | ╅        | 寸        |   |               |          | 72       | $\Box$   |          | $\top$   |  |          |          | $\neg$   | ٦         |          |          | 122        |  | $\vdash$  | T        |          |               | П        | $\dashv$        | $\neg$   | $\dashv$   |
|          | 23       |          |          | Ī        |               | T        | ┰       | $\top$   | $\neg$   |   |               |          | 73       |          |          | T        |  |          | T        | $\neg$   | 7         | -        |          | 123        |  | $\Box$    | _        |          |               |          | _               | $\neg$   | $\neg$     |
|          | 24       |          |          | Ī        |               | 丁        |         | $\top$   | $\neg$   |   |               |          | 74       | П        |          | $\top$   | 1                                      |          |          | $\top$   | ٦         | -        |          | 124        |  |           |          |          |               |          | -               | $\dashv$   | $\neg$     |
|          | 25       |          | $\neg$   | T        | T             | T        | T       | T        | 7        |   |               |          | 75       |          |          |          | T                                      |          |          | $\neg$   | 788       | 一        |          | 125        | -  |           |          |          | $\overline{}$ |          | 7               |  | _          |
|          | 26       |          |          |          |               | T        | 1       | 7        | $\neg$   |   |               |          | 76       |          |          |          |  | П        |          | $\neg$   | 788       | T        |          | 126        |  | $\Box$    | $\neg$   |          |               |          |                 | $\exists$  | $\neg$     |
|          | 27       |          | Т        | T        |               | Т        | Т       | T        |          |   |               |          | 77       |          |          |          |  | П        |          | 7  | 7         |          |          | 127        |  | $\exists$ |          |          |               |          |                 |  | ᅥ          |
|          | 28       |          | Т        |          |               | $\top$   | T       | T        |          |   |               |          | 78       |          |          |          |  |          |          |  |           |          |          | 128        |  | 7         |          |          |               |          | $\neg$          |  | ᅥ          |
|          | 29       |          |          |          |               |          |         |          |          |   |               |          | 79       |          |          |          |  |          |          |  | 7         | Г        |          | 129        |  |           |          |          |               |          | $\neg$          | _  | ᆿ          |
|          | 30       |          |          |          |               | П        |         |          |          |   |               |          | 80       |          | $\neg$   |          |  |          |          |  | 7         | Г        |          | 130        |  | $\neg$    |          |          |               |          | $\neg$          |  | $\neg$     |
|          | 31       |          |          | $\Box$   |               |          |         | П        |          |   |               |          | 81       |          | T        | T        | 1                                      |          |          |  | 7         | Г        |          | 131        |  |           |          |          |               |          |                 |  | ヿ          |
|          | 32       |          |          |          |               |          |         | T        | $\Box$   |   |               |          | 82       |          |          |          |  |          |          |  | 7         |          |          | 132        |  |           |          |          |               |          | 寸               |  | $\neg$     |
|          | 33       |          |          |          |               |          |         |          |          |   |               |          | 83       |          |          |          |  |          |          |  |           | Г        |          | 133        |  |           | П        |          |               |          |                 |  | コ          |
|          | 34       |          |          | $\perp$  |               |          |         |          |          |   |               |          | 84       |          |          |          |  |          |          | $\Box$   | <b></b>   |          |          | 134        |  |           |          |          |               |          |                 |  | ヿ          |
|          | 35       |          |          | $\perp$  | $\perp$       | $\perp$  |         | 1        |          | ╝ |               |          | 85       |          |          |          |  |          |          |  |           |          |          | 135        |  |           |          |          |               |          | 7               |  | $\neg$     |
|          | 36       |          |          | $\perp$  |               |          | $\perp$ | $\perp$  |          |   |               |          | 86       |          |          |          |  |          |          |  |           |          |          | 136        |  |           |          |          |               |          | 寸               |  | ヿ          |
|          | 37       |          |          | $\perp$  |               |          |         | $\perp$  |          |   |               |          | 87       |          |          |          |  |          |          |  |           |          |          | 137        |  |           |          |          |               |          | $\Box$          | 一  | $\neg$     |
|          | 38       |          |          | $\perp$  |               |          | 1       | $\perp$  |          | ╝ |               |          | 88       |          |          |          |  |          |          |  |           |          |          | 138        |  |           |          |          |               |          |                 |  | $\exists$  |
| ]        | 39       |          | $\perp$  | $\perp$  | $\bot$        | _ _      | $\perp$ |          | $\perp$  |   |               |          | 89       |          | $\perp$  | $\perp$  | Ĺ                                      |          | $\Box$   | $\Box$   |           |          |          | 139        |  | $\Box$    |          |          |               |          |                 |  | $\neg$     |
|          | 40       | Ц.       | $\perp$  | $\perp$  | $\bot$        |          | 丄       | 1        |          | ᅵ |               |          | 90       | $\Box$   |          |          | L                                      | Ш        | $\Box$   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$  |           | L        | $\Box$   | 140        |  |           |          |          |               |          | 丁               |  | $\Box$     |
|          | 41       | $\perp$  | _ _      | _        | $\bot$        | _ _      | $\perp$ | $\perp$  | $\perp$  | _ |               |          | 91       |          |          | $\perp$  |  |          |          | $oldsymbol{ol}}}}}}}}}}}}}}}}$ | _];;;     | E        |          | 141        |  | $\Box$    |          |          |               |          |                 |  | $\Box$     |
|          | 42       |          | $\perp$  | 4        | $\perp$       | $\perp$  | $\perp$ | $\perp$  | $\perp$  | ↲ |               |          | 92       |          | $\perp$  | 丄        | 1                                      | Ш        | _        |  | _ ::::    | L        |          | 142        |  |           |          |          |               |          | J               | ┚  |            |
|          | 43       | _        | $\perp$  | 4        | $\perp$       | 4        | 1       | $\perp$  | 4        | Ц |               |          | 93       | $\perp$  | $\perp$  | L        |  | Ш        | _[       |  |           | L        |          | 143        |  |           |          |          |               |          | $\Box$          | _  |            |
|          | 44       | $\dashv$ | _        | 1        | 4             | 4        | 4       | 4        | _        | _ |               | $-\bot$  | 94       | _        | $\perp$  | $\perp$  | 1_                                     | Ш        | $\perp$  |  | _         | L        | [        | 144        |  |           |          | $\Box$   |               |          | $\Box$          |  |            |
|          | 45       | 4        |          | 4        | 4             | 4        | _       | 4        | 4        | _ |               |          | 95       | _        | 4        | $\perp$  |  | Ш        | _        |  | _         | L        | [        | 145        |  | _[        | [        | [        | ]             | _]       | $\Box$          | $\Box$   |            |
|          | 46       | $\dashv$ | 4        | 4        | _             | 4        | 4       | $\perp$  | 4        | 4 |               |          | 96       | $\dashv$ |          | $\bot$   | _                                      | Щ        | $\dashv$ | $\bot$   | _         | L        | $\perp$  | 146        |  | [         |          |          |               | I        |                 |  |            |
|          | 47       | $\dashv$ |          | 4        | _             | 4        | 4       | 4        | $\bot$   | _ |               |          | 97       | $\dashv$ | _ _      | $\perp$  | ــــــــــــــــــــــــــــــــــــــ | $\sqcup$ | _        | $\perp$  | _         | L        |          | 147        |  |           | $\sqcup$ |          | _             |          | _[              | $\Box$   | $\Box$     |
|          | 48       | _        | _        | 4        | _             | 4        | 4       | 4        | 4        | _ | ∭,            |          | 98       | 4        | _        | $\perp$  | ـــــ                                  |          | _        |  | _         | L        | _        | 148        |  | $\perp$   |          |          |               |          | $\Box$          | $oldsymbol{ol}}}}}}}}}}}}}}}}$ | ⅃          |
|          | 49       | $\dashv$ | $\bot$   | 4        | _             | 4        | $\perp$ | 4        | $\dashv$ | _ |               |          | 99       | 4        | 4        | _        | ╀                                      | Ш        | $\dashv$ | $\bot$   | 4         | L        | _        | 149        | _  | _[        | $\dashv$ |          | _             | _[       | $\Box$          | $\Box$   |            |
|          | 50       | Ц        |          |          |               |          |         | 1        |          | _ | :::: <b>[</b> |          | 100      |          |          |          |  | Ш        | $\perp$  | $\perp$  |           | L        |          | 150        |  | 1         | l        | _        |               |          |                 |  | $_{\perp}$ |